

MG Raymond Barrett - TRADOC DCSOPS&T

A Vision for Future Army Training



Reserve Component
General Officer Conference
2 - 4 February 2003



Agenda

- **DoD Training Transformation**
- **Joint National Training Capability**
- **Future Combat System (FCS)**
- Embedded Training**
- **Objective Force Training Vision**



Strategic Plan for Transforming DOD Training

March 2002



STRATEGIC PLAN for TRANSFORMING DOD TRAINING

March 1, 2002

Office of the Under Secretary of Defense for Personnel and Readiness

Director, Readiness and Training Policy and Programs

Strategic Objectives

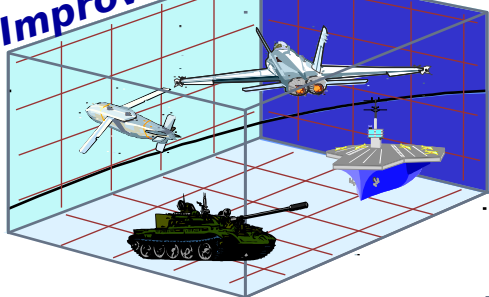
- Provide "joint" training based on operational requirements of combatant commanders
- Develop a robust, networked, live, virtual, and constructive training and mission rehearsal environment to enhance service interoperability
- Revise acquisition processes to ensure training is considered as a Key Performance Parameter

➤ Initial Army training implications:

- Joint National Training Capability
- Joint Professional Military

Joint National Training Capability

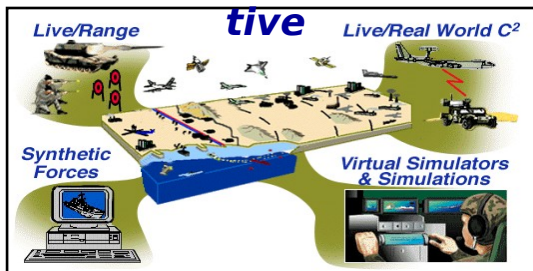
Capabilities Improvement



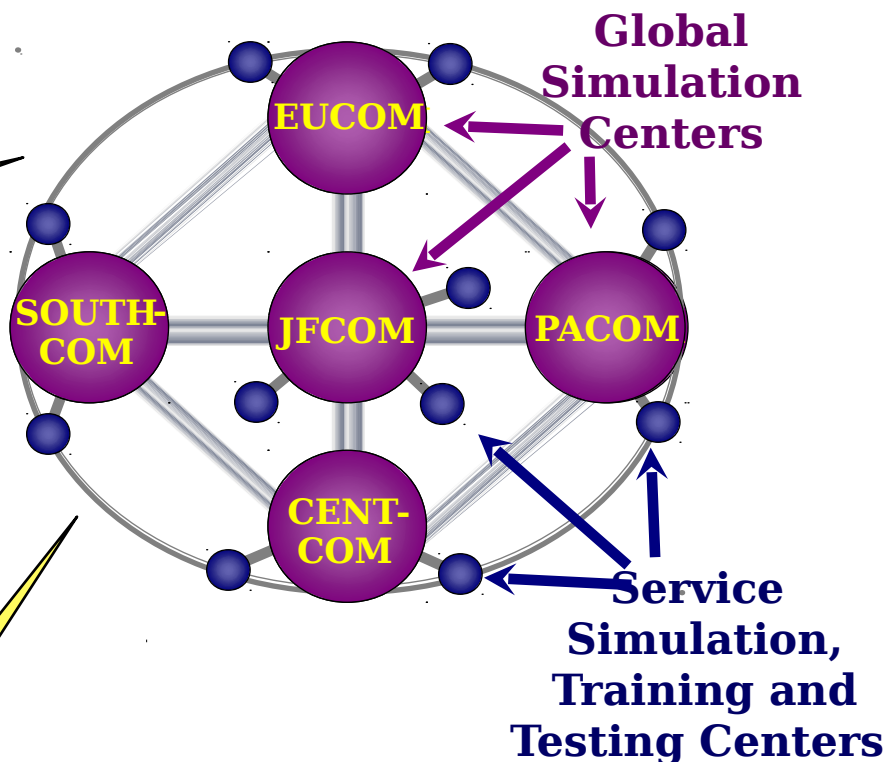
Experimentation and Testing



Live/Virtual/Constructive

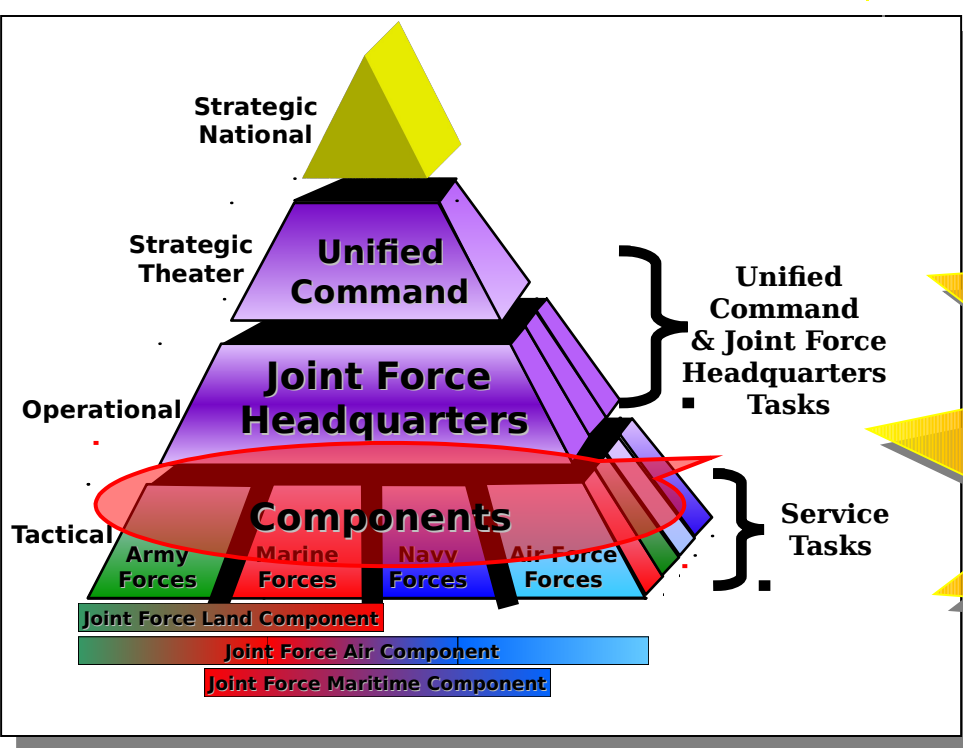


Training Environment



JNTC

A global network of live, virtual and constructive components that provides a seamless training environment to support a broad spectrum of joint and Service training requirements.



The Issue

How to train Joint Tactical Tasks and Service Interoperability?

Approved OSD JNTC Options

- **Option 1:** Improve Horizontal Training - Build on existing Service interoperability
- **Option 2:** Improve Vertical Training - Link component and joint command and staff planning and execution
- **Option 3:** Integrate Exercises - Enhance existing joint exercises to address joint interoperability

- First rotation in May '03 links NTC, CAX and Air Warrior to JWFC (Suffolk VA)
- Focused on Service interoperability conducting six Joint Tactical Tasks
- Links Service Tasks to Component and JFHQ Operational Tasks

Environment

Today

vs.

***Train*-Alert-*Train*-
Deploy**

- Longer planning cycles
- Army-centric
- Resource Intensive
- Constrained by time scheduling/land availability
- Institution/location based
- Fixed training

Tomorrow ***Train*-Alert-Deploy**

- Rapidly deploy tailored capability packages
- Short planning cycles
- JIM requirement
- Unpredictable missions, terrain and threats
- Continuous training before/ during deployment through employment

Interlinked

Deployable

Synchronized

Integrated

Adaptable

Training Capabilities Today

Doctrine and DL

DL, FMs, ACCP, RDL



Train-Alert-Train-Deploy Model

+ Proven training effectiveness
+ Aids for repetition and varied scenarios

BUT...

- Stand Alone
- Stove Piped
- Fixed site

- **Impractical to deploy**
Mission Planning
MDMP, Rehearsal and Planning Modules
Sandbox, MapEX, etc.



Battle Staff

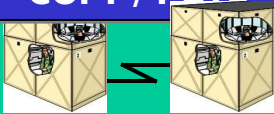
BCTP, WFX



Gunnery

Networked Simulation

COFT / PGTS



Indv/Crew

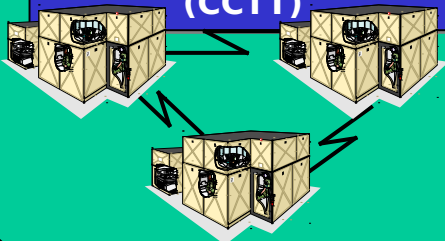
Limited ET integrated onto the Platform



Maneuver

Stand Alone Simulations

(CCTT)



Live Training

Appended on the Platform (Indiv / Crew)
MILES, AFIST

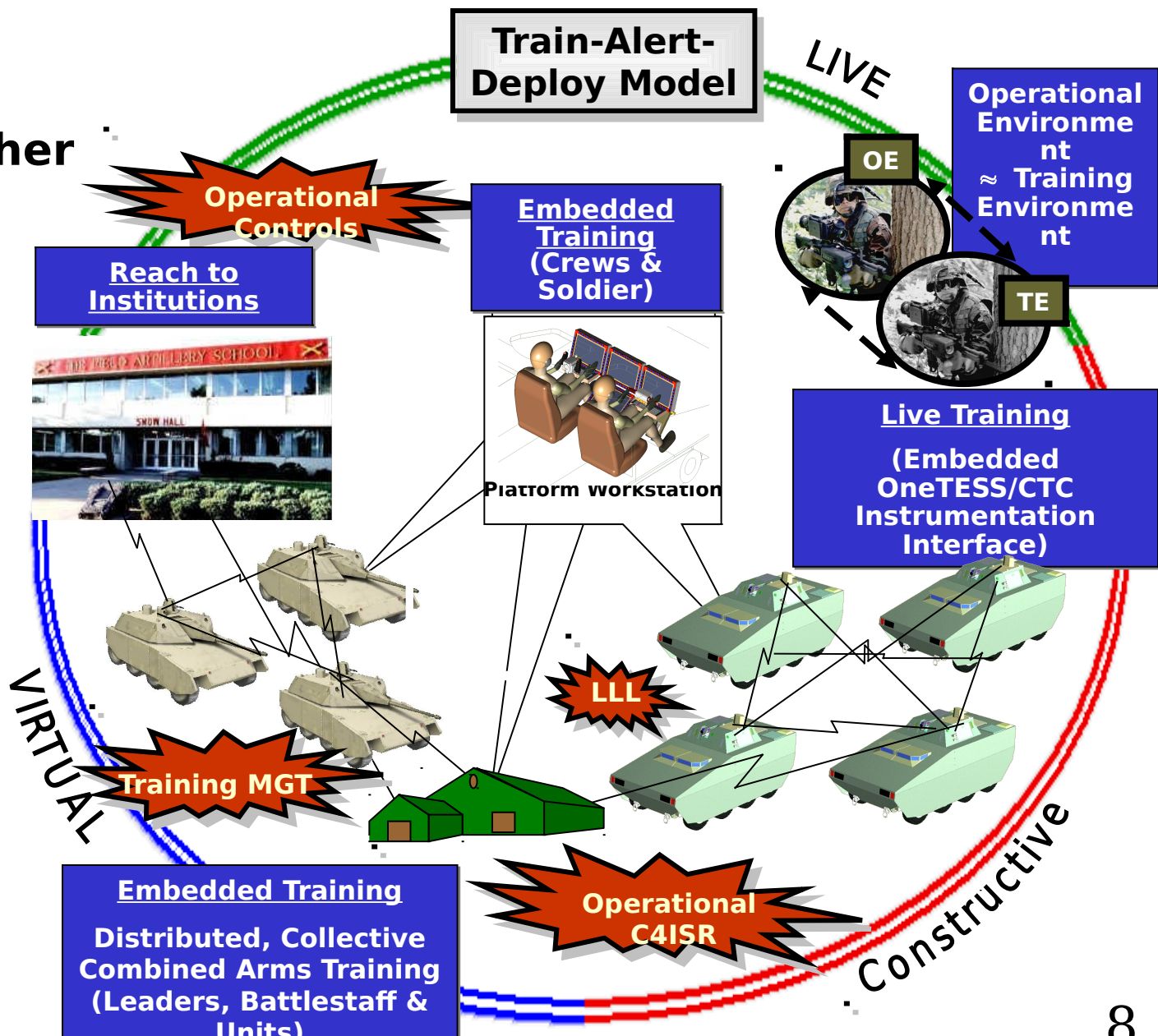


Training Capabilities Tomorrow

➤ Sustain a higher level of performance

➤ Train more frequently with fewer resources

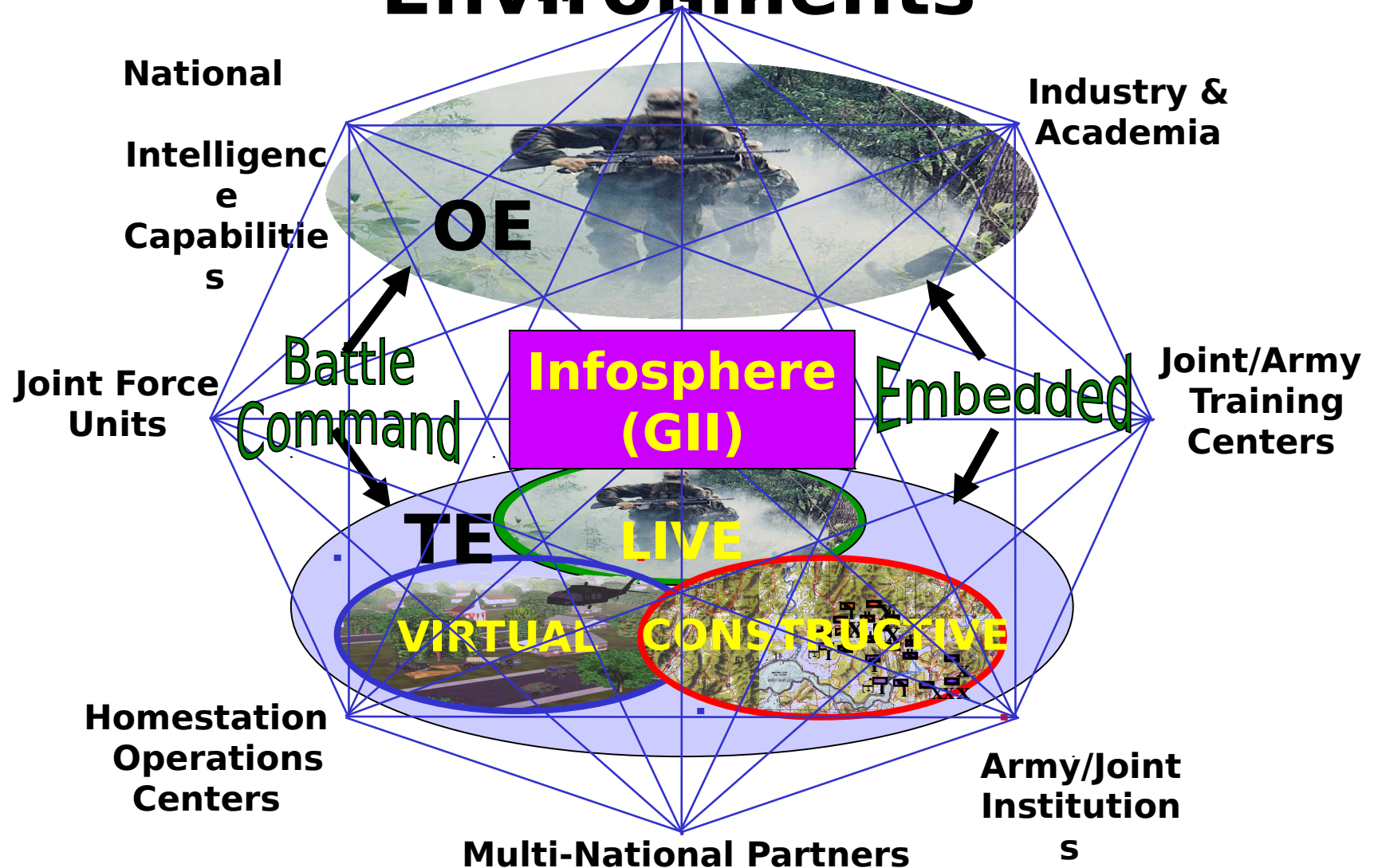
➤ Accessible, deployable, & tailored to mission



Embedded Training in Future Combat Systems

- **Training functionality built into FCS**
- **Operate the system in training or operational mode**
- **Individual and unit training at home-station, armory, or deployed**
 - **Mission planning**
 - **Mission rehearsal**
 - **Playback AAR**
 - **Incorporate virtual players**
 - **Link to distributed locations**
- **Live, virtual, and constructive linkages**
- **Reach-back to institution for scenarios, simulations, terrain databases, and SME support 24-7**

Networked Operational & Training Environments



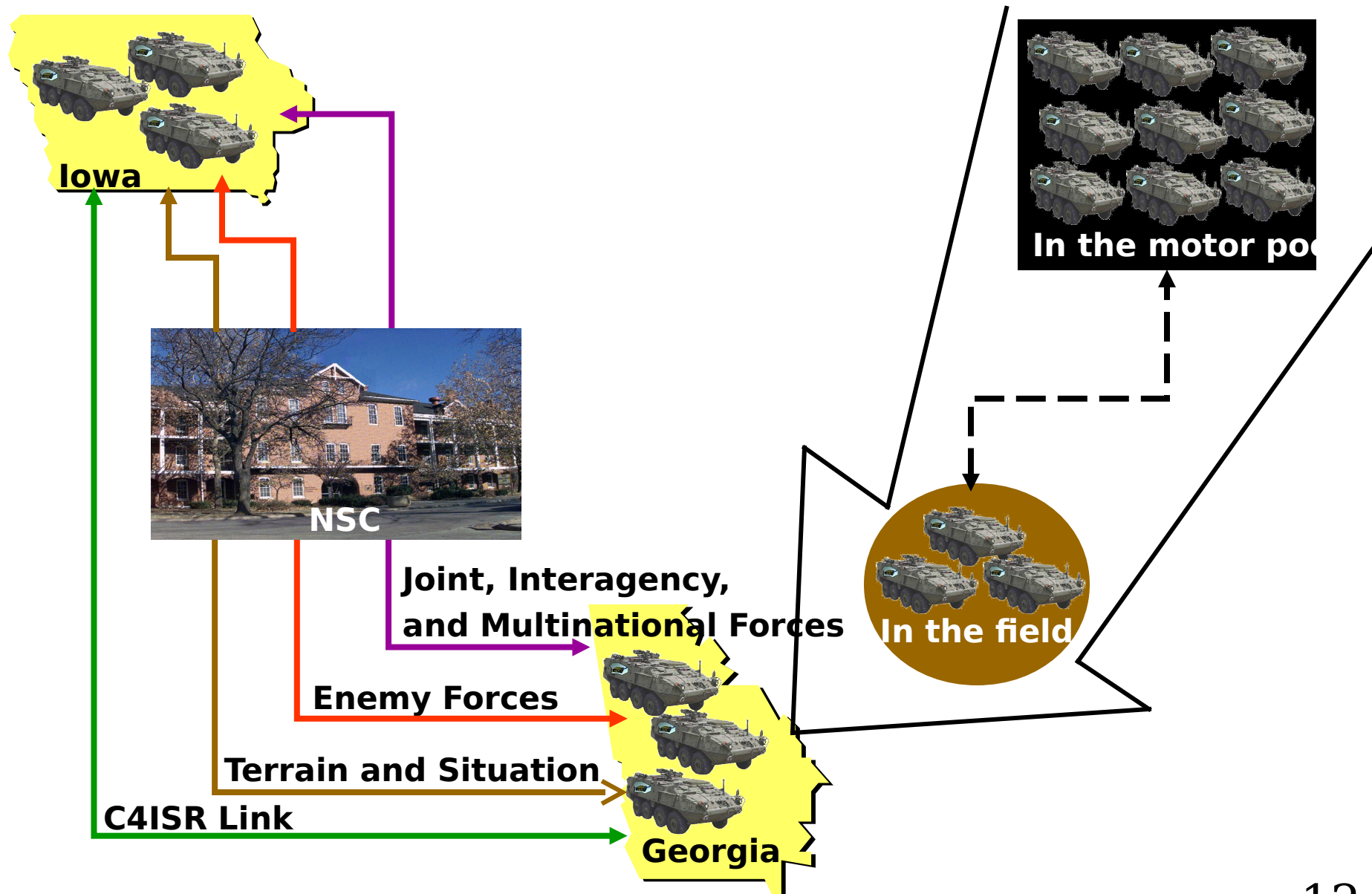
Linked Through C4ISR Systems & Global Information Infrastructure

Objective Force Training Capabilities

- **Operational Mission AAR**
- **Mission Planning and Rehearsal**
- **Home Station Training**
- **Mission Rehearsal from Dispersed Locations**

Enhancing Operational Readiness

Mission Rehearsal at Dispersed Locations



To Achieve the Objective Force Training Vision

- **Units must have access to a robust source of institutional support through the operational C4ISR network**
 - **Modular, meta-tagged training information**
 - **Course modules**
 - **Language translation interfaces**
 - **Simulation scenarios**
 - **Terrain maps**
 - **Lessons learned**
 - **Resource Centers 24/7**
 - **Online Subject Matter Experts**
- **Training Support System (TSS)**
 - **Networks and architecture**
 - **Digital library**

Resourcing Institution Training Support Capability is

Reserve Component Implications

- **Joint National Training Capability increases opportunity for RC participation**
- **Live-Virtual-Constructive linkages facilitate participation of units from disperse locations for training or mission rehearsal**
- **Advanced Distributed Training Capability will increase access and opportunities for individual and collective training**



***Objective Force Training Vision benefits The
Army - Active Duty, Army Reserve, and
National Guard***

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